

100

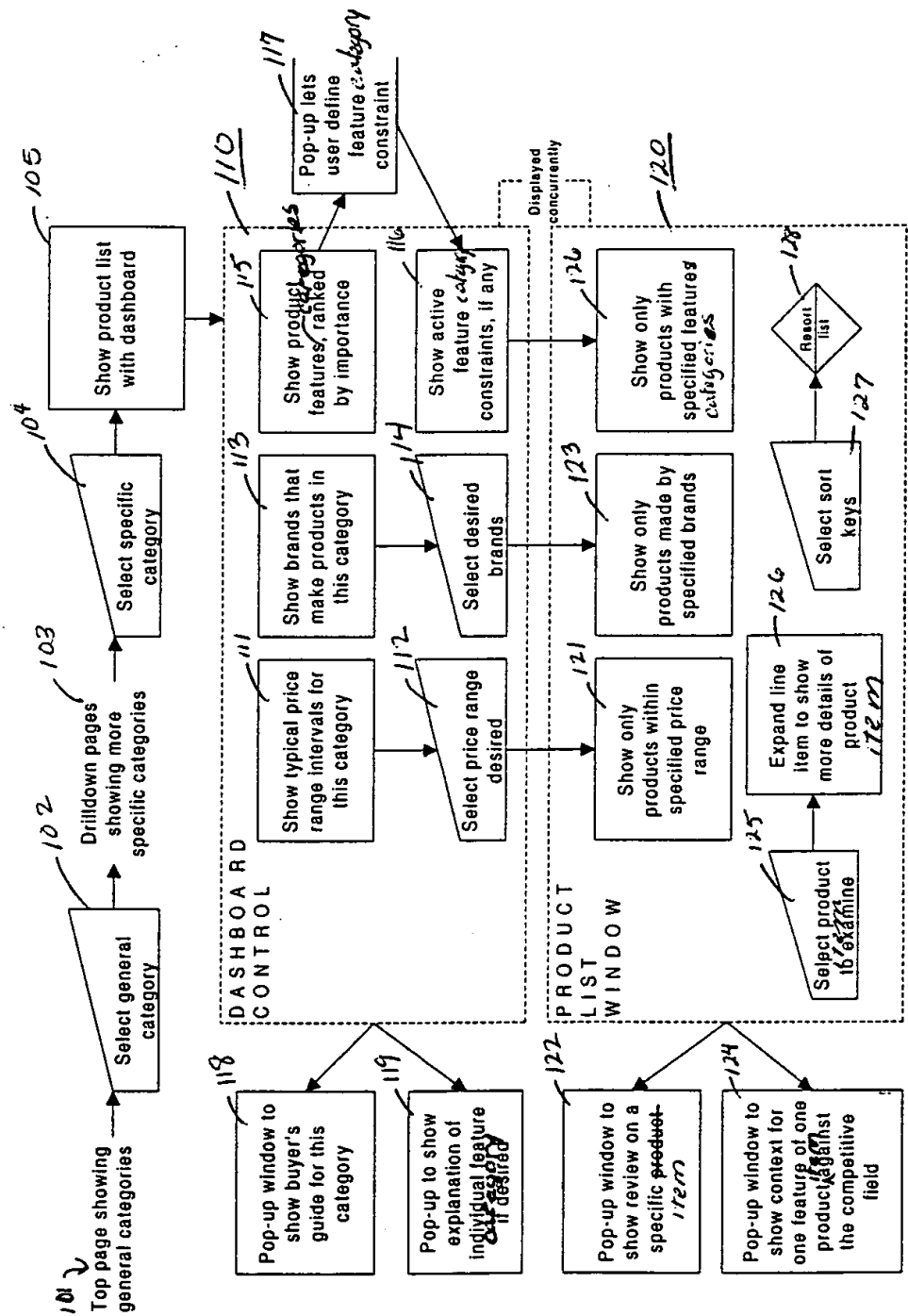


Figure 1

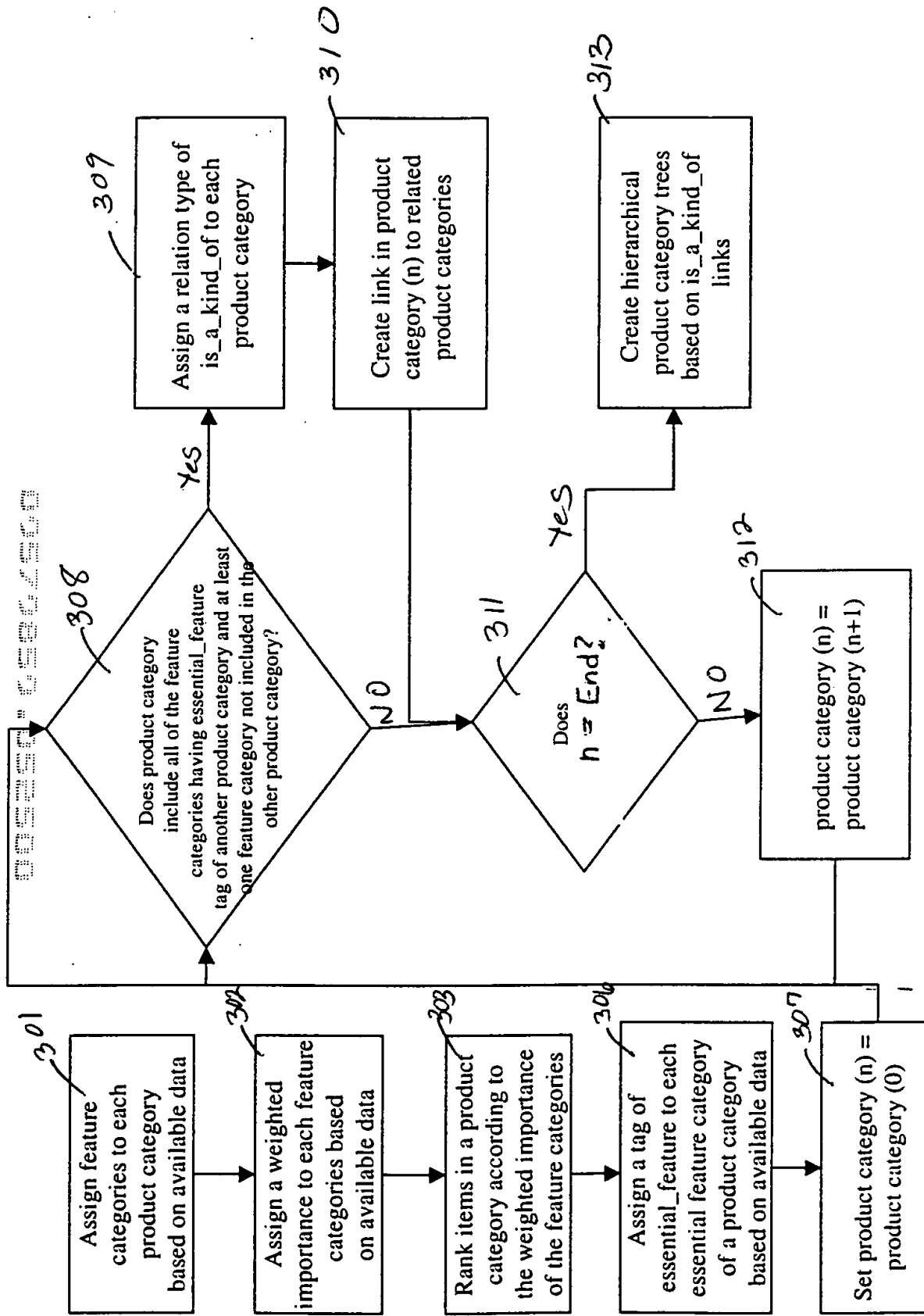


Figure 3

```

graph TD
    401[Assign feature categories to each product category based on available data] --> 402[Assign a weighted importance to each feature categories based on available data]
    402 --> 403[Assign a property type to each feature category based on available data]
    403 --> 404[Assign evaluative metrics to each feature category based on the property type]
    404 --> 423{Has a user chosen at least one feature category of importance to the user}
    423 -- Yes --> 424[Rank items in each product category according to the user's chosen feature categories and the evaluative metrics of each feature category]
    423 -- No --> 425[Rank items in each product category according to the weighted importance of each feature category and the evaluative metrics of each feature category]
    425 --> 401
  
```

```

graph TD
    401[Assign feature categories to each product category based on available data] --> 402[Assign a weighted importance to each feature categories based on available data]
    402 --> 403[Assign a property type to each feature category based on available data]
    403 --> 404[Assign evaluative metrics to each feature category based on the property type]
    404 --> 423{Has a user chosen at least one feature category of importance to the user}
    423 -- Yes --> 424[Rank items in each product category according to the user's chosen feature categories and the evaluative metrics of each feature category]
    423 -- No --> 425[Rank items in each product category according to the weighted importance of each feature category and the evaluative metrics of each feature category]
    424 --> 425
    
```

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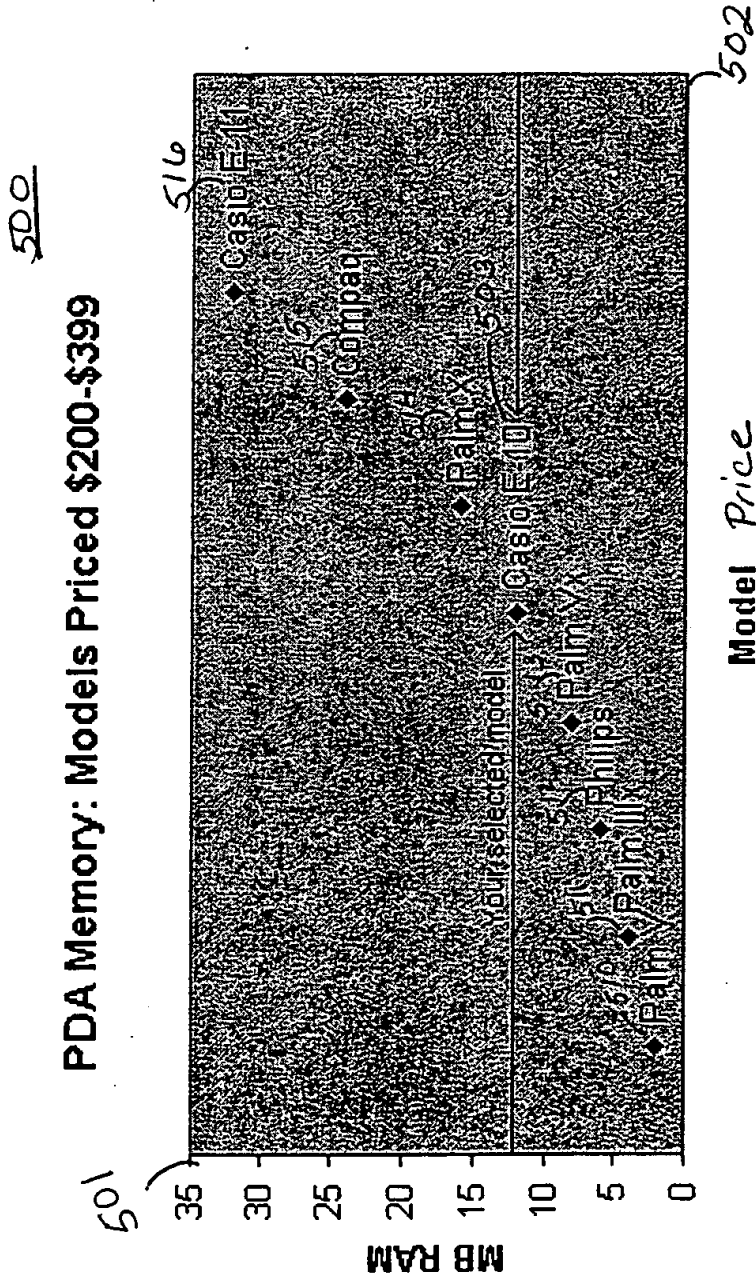


Figure 5

10

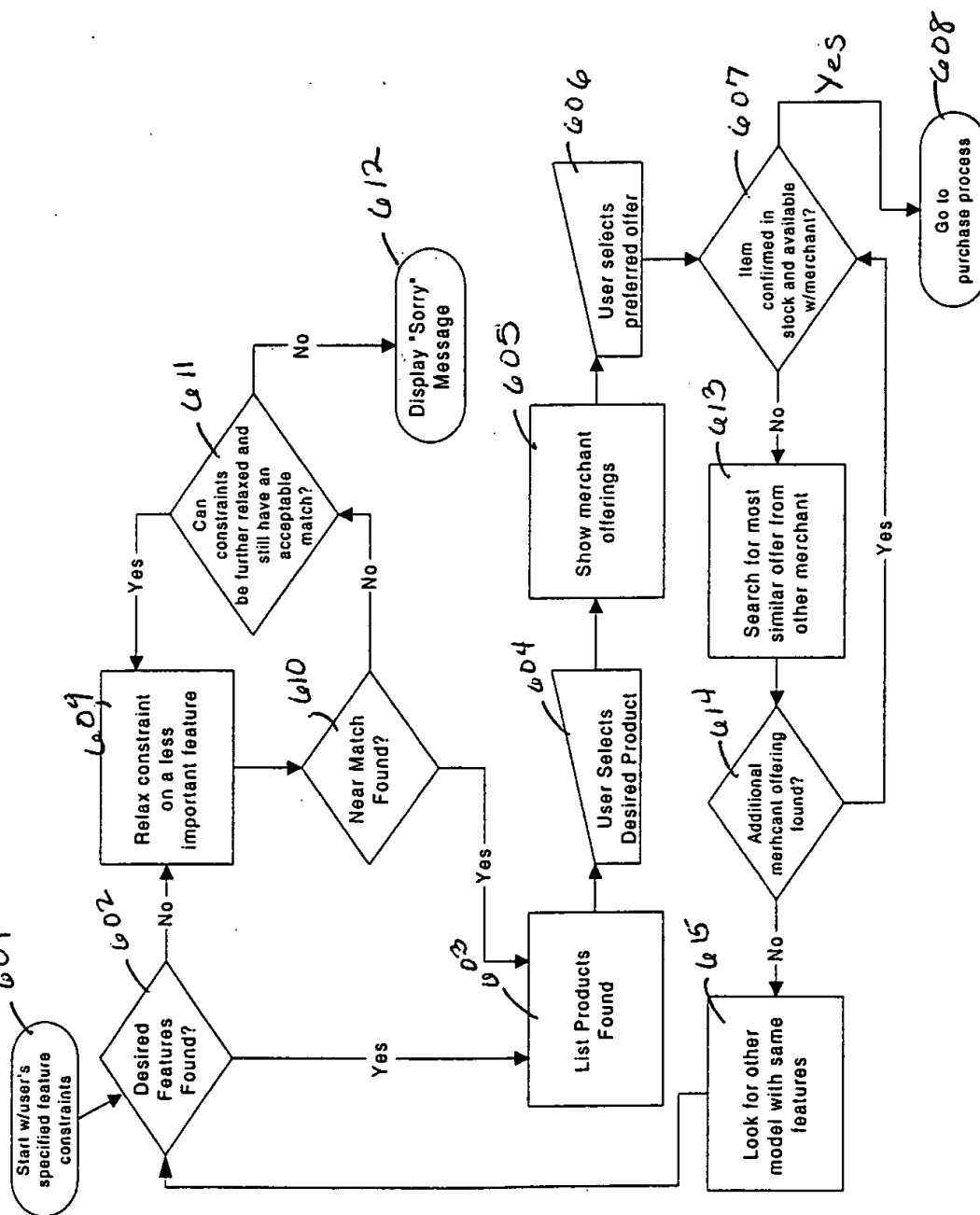


Figure 6